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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/632,425	08/04/2000		Fabrice Geiger	A3024/T28300	1892
32588	7590	10/22/2003		EXAMINER	
APPLIED 1 2881 SCOT		•	KILDAY, LISA A		
SANTA CLARA, CA 95050				ART UNIT	PAPER NUMBER
,			2829		

DATE MAILED: 10/22/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
	09/632,425	GEIGER ET AL.					
Office Action Summary	Examiner	Art Unit					
	Lisa A Kilday	2829					
Th MAILING DATE of this communication appears on the cov r sheet with the corr spondence addr ss Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be to within the statutory minimum of thirty (30) downwill apply and will expire SIX (6) MONTHS from the come ABANDON.	imely filed ays will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).					
1) Responsive to communication(s) filed on 11 A	<u> August 2003</u> .						
2a)⊠ This action is FINAL . 2b)□ Th	is action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims 4) ☑ Claim(s) 1-26 is/are pending in the application.							
4a) Of the above claim(s) <u>20</u> is/are withdrawn from consideration. 5. □ Claim(s) 1.19 and 21-24 is/are allowed.							
5)⊠ Claim(s) <u>1-19 and 21-24</u> is/are allowed.							
6)⊠ Claim(s) <u>25-26</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement. Application Papers							
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) All b) Some * c) None of:							
1. Certified copies of the priority document	s have been received.						
2. Certified copies of the priority documents have been received in Application No							
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domesti	ic priority under 35 U.S.C. § 119	(e) (to a provisional application).					
a) The translation of the foreign language pro	• •						
Attachment(s)							
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	· _	ary (PTO-413) Paper No(s) Il Patent Application (PTO-152)					

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Election/Restrictions

This application contains claim 20 drawn to an invention nonelected with traverse in Paper No. 6. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

Specification

Claim 1 amended to overcome objections for lack of antecedent basis. Objections withdrawn.

Claim 10 amended to overcome objections to distinguish what type of Silicon oxide claimed. Objections withdrawn.

Claim 19 amended to overcome objections to distinguish what type of Silicon oxide claimed. Rejection withdrawn.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 25-6 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claims contains subject matter, which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Claim 25 recites the limitation of "partially filling the at least one gap." However, the specification and drawings *only* support completely filling the at least one gap. Futhermore, the specification discloses how the insulating materials have "good gap fill capabilities" (pg. 4, lines 13-15).

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Response to Arguments

Applicant's arguments filed 8/11/03 have been fully considered but they are not persuasive in the following areas:

Applicant's representative argues that the newly added limitation of "partially filling the at least one gap" in claims 25-26 is not new matter and is supported in the specification. Applicant relies on figure 5. Figure 5 does not teach the surface sensitive oxide partially filling the gap. His point is moot for two reasons. First, figure 5 teaches away from partially filling and indicates, "depositing surface sensitive layer." The figure does not illustrate or explain the deposition characteristics. Second, the specification fails to support the limitation of "partially filling the at least one gap." There is no teaching in the specification that forming a surface sensitive silicon oxide layer over the substrate is partially filling the at least gap. Partially filling and completely filling the gap are two different processes with two different products. The instant specification only supports "depositing surface sensitive layer." Since the specification teaches how insulating materials have "good gap fill capabilities", a partially filled gap would not have good gap fill capabilities because partially filling a gap does not teach "depositing surface sensitive layer." This amendment of "partially filling" does not have support in the specification.

For the reasons given above, newly added claims 25-26 will not be examined because the specification does not support the limitation of "partially filling the at least one gap."

Allowable Subject Matter

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Claims 1-19, 21-4 allowed.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0957. See MPEP 203.08.

Any inquiry concerning this communication from the examiner should be directed to Lisa Kilday whose telephone number is (703) 306-5728. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo, can be reached on (703) 308-1233. The fax number for the group is (703) 305-3432. MPEP 502.01 contains instructions regarding procedures used in submitting responses by facsimile transmission.

Lisa Kilday LAK 10/17/03

VINH P. NŒUYÉN PRIMARY EXAMINER GROUP JEJ g

10/20/03